

1 BILL NO. S-81-11-56

2 SPECIAL ORDINANCE NO. S-282-81

3 AN ORDINANCE approving Change Order Nos. 1,
4 2,3,4,& 5 for 345-80, Country Club Langford
5 Oaks, Federal Grant No. C-180599-09, in
6 connection with the Board of Public Works

7 BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY
8 OF FORT WAYNE, INDIANA:

9 SECTION 1: That Change Order No. 1 for 345-80,
10 Country Club Langford Oaks, Federal Grant No. C-180599-09, to
11 Richard Ness Excavating & Trucking, Inc., in connection with the
12 Board of Public Works, for:

13 in responding to the contractor's request ofr
14 a dewatering item to be established for a
15 1200' + along Getz Road, it was discovered that
16 the line would need to be lowered 2' to service
17 those home on the west side of Getz Road. At
18 this time, a field change was initiated to lower
19 the line. In evaluating the request by the
20 contractor for dewatering, it was determined
21 that due to the nature of the soil conditions,
22 which exist, that dewatering wells would not dry
the trench excavating because of the water being
isolated to a 1' seam of a fine gravel just below
10' to 12' of sand and resting on top of a soft
clay. In evaluating this item, we decided to go
with base stabilization of approximately 750
cubic yds., and not installing wells. In lowering
the above line an additional 2' we required an
additional excavation of approximately 127 CY
ranging in depth from 19.5 to 21.5' along with
increased depth of 3MH's as reflected in item
no. 21.

23 SECTION 2: That Change Order No. 2, for 345-80,
24 Country Club Langford Oaks, Federal Grant No. C-180599-09, to
25 Richard Ness Excavating & Trucking, Inc., in connection with the
26 Board of Public Works, for:

27 during construction it was discovered that suff-
28 icient quantities were not anticipated and
29 these adjustments became necessary. Additional
depth was needed to service the last residence.
(Item 21 & 23

30 SECTION 3: That Change Order No. 3, for 345-80,
31 Country Club Langford Oaks, Federal Grant No. C-180599-09, to
32 Richard Ness Excavating & Trucking, Inc., in connection with the

1 Board of Public Works, for:

2 upon re-evaluation of including the City tap
3 permits in the contract prices, it has created
4 a logistics problem within the internal inter-
5 action of City Departments. In pursuing the
6 handling of these permits, it becomes a cumbersome
7 item. By eliminating the tap permit under the
8 contract and taking care of it at the time of
9 each connection, it will clear up many duplications
10 of departmental requirements and creates a better
11 monitoring process. Thus, insuring a smaller
12 possibility of a tap being connected without
13 an inspection.

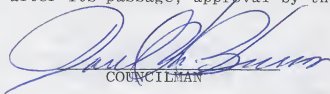
14 SECTION 4: That Change Order No. 4, for 345-80,
15 Country Club Langford Oaks, Federal Grant No. C-180599-09, to
16 Richard Ness Excavating & Trucking, Inc., in connection with the
17 Board of Public Works, for:

18 Items #18-#19 - During construction the
19 contractor came into direct conflict with
20 more existing tiles anticipated. This is due
21 to the neighborhood associations years ago,
22 providing their own "blind Ditching" by
23 installing drainage tiles and connecting them
24 to their culverts to eliminate their drainage swales.
25 Since it was not visually possible to see these
26 "blind ditches," it was not noted on plans or
27 shown in quantities. The only alternative to
28 avoid these tiles would have been to move under
29 the street which would create an exorbitant cost in
30 full depth gravel which would not be cost-
31 effective.


32 SECTION 5: That Change Order No. 5, for 345-80,
33 Country Club Langford Oaks, Federal Grant No. C-180599-09, to
34 Richard Ness Excavating & Trucking, Inc., in connection with the
35 Board of Public Works, for:

36 it becomming necessary to depthen Lateral No. 12
37 and 14 to service all properties
38 in the amounts of \$23,817.21 for Change Order No. 1; \$39,274.80
39 for Change Order No. 2; \$7,525.00 for Change Order No. 3;
40 \$23,600.00 for Change Order No. 4; and \$5,645.00 for Change Order
41 No. 5, as set out in the specifications, which are on file in the
42 Office of the Board of Public Works and are by reference
43 incorporated herein and made a part hereof, be and the same is in
44 all things ratified, confirmed, and approved.

1 SECTION 6: That this Ordinance shall be in full
2 force and effect from and after its passage, approval by the Mayor.
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4 
5 COUNCILMAN

6 APPROVED AS TO FORM AND
7 LEGALITY NOVEMBER 20, 1981

8 
9 BRUCE O. BOXBERGER, CITY ATTORNEY
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Read the first time in full and on motion by Burns, seconded by Salinas, and duly adopted, read the second time by title and referred to the Committee City Militia (and the City Plan Commission for recommendation) and Public Hearing to be held after due legal notice, at the Council Chambers, City-County Building, Fort Wayne, Indiana, on _____, 19____, the _____ day of _____, at _____ o'clock _____ M., E.S.T.

DATE: 11-24-81

Charles W. Westerman
CHARLES W. WESTERMAN
CITY CLERK

Read the third time in full and on motion by Burns, seconded by GiaQuinta, and duly adopted, placed on its passage. PASSED (~~LOST~~) by the following vote:

	<u>AYES</u>	<u>NAYS</u>	<u>ABSTAINED</u>	<u>ABSENT</u>	<u>TO-WIT:</u>
<u>TOTAL VOTES</u>	<u>8</u>	<u>1</u>	_____	_____	_____
<u>BURNS</u>	<u>✓</u>	_____	_____	_____	_____
<u>EISBART</u>	<u>✓</u>	_____	_____	_____	_____
<u>GiaQUINTA</u>	<u>✓</u>	_____	_____	_____	_____
<u>NUCKOLS</u>	_____	<u>✓</u>	_____	_____	_____
<u>SCHMIDT, D.</u>	<u>✓</u>	_____	_____	_____	_____
<u>SCHMIDT, V.</u>	<u>✓</u>	_____	_____	_____	_____
<u>SCHOMBURG</u>	<u>✓</u>	_____	_____	_____	_____
<u>STIER</u>	<u>✓</u>	_____	_____	_____	_____
<u>TALARICO</u>	<u>✓</u>	_____	_____	_____	_____

DATE: 12-8-81

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as (ZONING MAP) (~~GENERAL~~) (~~ANNEXATION~~) (SPECIAL) (APPROPRIATION) ORDINANCE (~~RESOLUTION~~) No. S-282-81 on the 8th day of December, 1981.

Charles W. Westerman
ATTEST:
CHARLES W. WESTERMAN - CITY CLERK

(SEAL)
John Nuckols
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 9th day of December, 1981, at the hour of 11:30 o'clock A M., E.S.T.

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

Approved and signed by me this 9th day of Dec, 1981, at the hour of 4 o'clock P M., E.S.T.

Winfield C. Moses, Jr.
WINFIELD C. MOSES, JR.
MAYOR

BILL NO. S-81-11-56

REPORT OF THE COMMITTEE ON CITY UTILITIES

WE, YOUR COMMITTEE ON City Utilities TO WHOM WAS REFERRED AN
ORDINANCE approving Change Order Nos. 1, 2, 3, 4 & 5 for 345-80,
Country Club Langfor Oaks, Federal Grant No. C-180599-09, in
connection with the Board of Public Works.

HAVE HAD SAID ORDINANCE UNDER CONSIDERATION AND BEG LEAVE TO REPORT
BACK TO THE COMMON COUNCIL THAT SAID ORDINANCE APPROVED PASS.

PAUL M. BURNS, CHAIRMAN

VIVIAN G. SCHMIDT, VICE CHAIRMAN

BEN A. EISBART

SAMUEL J. TALARICO

ROY J. SCHOMBURG

12-8-81
DATE 12-8-81 CLERK MAN, CITY CLERK

Law

CHANGE ORDER

Change Order No. 1
 Project No. C-180599-09
 Name of Project: "COUNTRY CLUB-LANGFORD OAKS"

Resolution No. 345-80
 Board Order No. 55-80
 Date: 10-13-81

To: RICHARD NESS EXCAVATING & TRUCKING, INC.
 (Contractor)

Gentlemen:

You are hereby requested to comply with the following changes from the contract plans and specifications:

Item No.	Quantity	Description of Change	Unit Price	Change in Contract Price	
		Description		Decrease	Increase
20	750± CY	Base Stabilization	15.00		11,250.00
21	7.5± VF	Additional MH Depth	105.26		789.47
22	1,261± CY	Additional Excavation (19' to 21' depth)	9.34		11,777.74
Total Decrease					
Total Increase					23,817.21
Net (Decrease) (Increase)				Contract Price	23,817.21

The sum of \$ 23,817.21 is hereby (added to) ~~(deducted from)~~ the total contract price and the final contract price shall be adjusted as follows:

Original Contract Price	\$ 392,195.30
Current Contract Price Adjusted by Previous Change Order	\$ 392,195.30
New Contract Price including this Change Order	\$ 416,012.51

The time provided for completion in the contract for this project is (unchanged) ~~(increased)~~ ~~(decreased)~~ by -0- calendar days due to this Change Order. The date for completion of all work shall be N/A. Furthermore, this document shall become an amendment to the contract and all provisions of the contract shall apply hereto.

Recommended by: Colleen Eubank Chief Engineer Date 10/20/81
 Accepted by: Richard Ness, Inc. Contractor Date 10/12/81
 Approved by: Philip A. Polla City Engineer Date Nov. 9, 1981
 Approved by: TR W. Sen Owner Date 11-18-81
Robert A. Anderson
Betty R. Collins
 Attested by: James Kennedy Clerk Date 11-18-81

Change Order No. 1

Resolution No. 345-80

Board Order No. 55-80

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: In responding to the contractor's request for a dewatering item to be established for a 1200'± along Getz Road, it was discovered that the line would need to be lowered 2' to service those homes on the west side of Getz Road. At this time, a field change was initiated to lower the line. In evaluating the request by the contractor for dewatering, it was determined that due to the nature of the soil conditions, which exist, that dewatering wells would not dry the trench excavation because of the water being isolated to a 1' seam of a fine gravel just below 10' to 12' of sand and resting on top of a soft clay. In evaluating this item, we decided to go with base stabilization of approximately 750 cubic yards, and not installing wells. In lowering the above line an additional 2', we required an additional excavation of approximately 1275 CY ranging in depth from 19.5' to 21.5' along with increased depth of 3 MH's as reflected in item no. 21.

2. Will proposed change alter size of the project? Yes _____ No X
If yes, explain

3. Affect on operation and maintenance cost of this project:

N/A

Gregory J. Merrill 10-13-81
Project Engineer

CHANGE ORDER

Change Order No. 2
 Project No. C-180599-09
 Name of Project: "COUNTRY CLUB-LANGFORD OAKS"

Resolution No. 345-80
 Board Order No. 55-80
 Date: 10-13-81

To: RICHARD NESS EXCAVATING & TRUCKING CO., INC.
 (Contractor)

Gentlemen:

You are hereby requested to comply with the following changes from the contract plans and specifications:

Item No.	Quantity	Description of Change	Unit Price	Change in Contract Price	
		Description		Decrease	Increase
10	2,300± CY	Special Backfill	8.00		18,400.00
16	6,000± SY	Chip and Seal	1.75		10,500.00
17	9,000± SY	Seeding and 1" Mulch	0.70		6,300.00
21	10± VF	Additional MH Depth	105.26		1,052.60
23	460± CY	Additional Excavation (10' to 20' depth)	6.57		3,022.20
Total Decrease					
Total Increase					39,274.80
Net (Decrease) (Increase)					39,274.80
Contract Price					39,274.80

The sum of \$ 39,274.80 is hereby (added to) ~~(deducted from)~~ the total contract price and the final contract price shall be adjusted as follows:

Original Contract Price
 Current Contract Price Adjusted by Previous Change Order #1
 New Contract Price including this Change Order

\$ 392,195.30
 \$ 416,012.51
 \$ 455,287.31

The time provided for completion in the contract for this project is (unchanged) ~~(increased)~~ ~~(decreased)~~ by -0- calendar days due to this Change Order. The date for completion of all work shall be N/A. Furthermore, this document shall become an amendment to the contract and all provisions of the contract shall apply hereto.

Recommended by: C. Wayne Embury Chief Engineer Date 10/20/81
 Accepted by: Richard Ness Pres. Contractor Date 10/13/81
 Approved by: Philip R. Bolter City Engineer Date Nov. 9, 1981
 Approved by: TR W. SW Owner Date 11-18-81
Robert Anderson
Betty R. Collins
 Attested by: Richard Kennedy Clerk Date 11-18-81

Change Order No. 2

Resolution No. 345-80

Board Order No. 54-80

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: _____

SEE ATTACHED JUSTIFICATION

2. Will proposed change alter size of the project? Yes _____ No X _____

If yes, explain

3. Affect on operation and maintenance cost of this project:

N/A

Gregory J. Merrill 10-13-81
Project Engineer

JUSTIFICATION FOR CHANGE ORDER. NO. 2
Resolution 345-80
Junk Ditch Study Area - EPA C-180599-09
B.O. #55-80

RICHARD NESS EXCAVATING & TRUCKING CO., INC., Contractor

Item No. 10

During the take off of quantities on this resolution, the Special Backfill quantity was only taken off on Suburban Drive since that was the only area in which the sewer main was to be installed under the paved area. At that time, no consideration was given to the remainder of the driveway crossings on the project.

Due to the fact that both City and County construction specifications require use of special backfill under driveways, it has become necessary to adjust that quantity to allow for its use under drives.

Item No. 16 and 17

In review the quantity take offs for this resolution, it was discovered that those paved areas that were to be constructed in or along the edge were not totally accounted for and some additional roadways were lost that were not anticipated during the bidding process.

Items 21 and 23

During course of construction and field staking, it was discovered that at the end of Lateral #9 on this resolution, there was a residence requesting service from the sewer and it was discovered that the split level home had facilities in the lower level making it necessary to lower two spans of 8" sewer to obtain a grade favorable to service the split level home.

CHANGE ORDER

Change Order No. 3
 Project No. C-180599-09
 Name of Project: COUNTRY CLUB - LANGFORD OAKS

Resolution No. 345-80
 Board Order No. 55-80
 Date: 10-13-81

To: RICHARD NESS EXCAVATING & TRUCKING COMPANY, INC.
 (Contractor)

Gentlemen:

You are hereby requested to comply with the following changes from the contract plans and specifications:

Item No.	Quantity	Description of Change	Unit Price	Change in Contract Price	
		Description		Decrease	Increase
8*	215± EA	Std. City of Fort Wayne Tap Permits	35.00	7,525.00	
*Non-Grant Fundable			Total Decrease	7,525.00	
			Total Increase		
Net (Decrease) (Increase)			Contract Price	7,525.00	

The sum of \$ 7,525.00 is hereby ~~added to~~ (deducted from) the total contract price and the final contract price shall be adjusted as follows:

Original Contract Price	\$ <u>392,195.30</u>
Current Contract Price Adjusted by Previous Change Order #2	\$ <u>455,287.31</u>
New Contract Price including this Change Order	\$ <u>447,762.31</u>

The time provided for completion in the contract for this project is (unchanged) ~~(increased)~~ ~~(decreased)~~ by -0- calendar days due to this Change Order. The date for completion of all work shall be N/A. Furthermore, this document shall become an amendment to the contract and all provisions of the contract shall apply hereto.

Recommended by: Charles Embury Chief Engineer Date 10/20/81
 Accepted by: Richard J. Ness, Jr. Contractor Date 10/13/81
 Approved by: Philip R. Butler City Engineer Date Nov. 9, 1981
 Approved by: Robert Anderson Owner Date 11-18-81
Robert Anderson
Butler R. Collins
 Attested by: Daniel Kennedy Clerk Date 11-18-81

Change Order No. 3

Resolution No. 345-80

Board Order No. 55-80

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: Upon re-evaluation of including the City of Fort Wayne tap permits in the contract prices, it has created a logistics problem within the internal interactions of City Departments. In pursuing the handling of these permits, it becomes a cumbersome item. By eliminating the tap permit under the contract and taking care of it at the time of each connection, it will clear up many duplications of departmental requirements and creates a better monitoring process. Thus, insuring a smaller possibility of a tap being connected without an inspection.
- _____
- _____
- _____

2. Will proposed change alter size of the project? Yes _____ No X
If yes, explain
- _____
- _____
- _____

3. Affect on operation and maintenance cost of this project:
- _____
- _____
- _____
- _____
- _____

N/A

Gregory J. M. Cril 10-13-81
Project Engineer

Law

CHANGE ORDER

Change Order No. 4
 Project No. C-180599-09
 Name of Project: COUNTRY CLUB - LANGFORD OAKS

Resolution No. 345-80
 Board Order No. 55-80
 Date: 10-13-81

To: RICHARD NESS EXCAVATING & TRUCKING INC.
 (Contractor)

Gentlemen:

You are hereby requested to comply with the following changes from the contract plans and specifications:

Item No.	Quantity	Description of Change Description	Unit Price	Change in Contract Price	
				Decrease	Increase
18	2200± LF	6"-12" Field Tile Replacement	8.00		17,600.00
19	400± LF	12"-15" Culvert Pipe Replacement	15.00		6,000.00
			Total Decrease		
			Total Increase		23,600.00
Net (DECREASE) (Increase)			Contract Price		23,600.00

The sum of \$ 23,600.00 is hereby (added to) (~~deducted from~~) the total contract price and the final contract price shall be adjusted as follows:

Original Contract Price	\$ 392,195.30
Current Contract Price Adjusted by Previous Change Order #2	\$ 447,762.31
New Contract Price including this Change Order	\$ 471,362.31

The time provided for completion in the contract for this project is (unchanged) (~~increased~~) (~~decreased~~) by -0- calendar days due to this Change Order. The date for completion of all work shall be N/A. Furthermore, this document shall become an amendment to the contract and all provisions of the contract shall apply hereto.

Recommended by: <u>Calvin Eubank</u>	Chief Engineer	Date <u>10/20/81</u>
Accepted by: <u>Richard T. Nesbitt</u>	Contractor	Date <u>10/12/81</u>
Approved by: <u>Philip H. Ball</u>	City Engineer	Date <u>Nov 9, 1981</u>
Approved by: <u>Robert J. Smith</u>	Owner	Date <u>11-18-81</u>
<u>Robert J. Smith</u>		
<u>Philip H. Ball</u>		
Attested by: <u>Dan Kennedy</u>	Clerk	Date <u>11-18-81</u>

Change Order No. 4

Resolution No. 345-80

Board Order No. 55-80

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: Items #18 - #19 - During construction the contractor came into
direct conflict with more existing tiles anticipated. This is due to the neighborhood
associations years ago, providing their own "blind ditching" by installing drainage
tiles and connecting them to their culverts to eliminate their drainage swales.
Since it was not visually possible to see these "blind ditches," it was not noted
on plans or shown in quantities. The only alternative to avoid these tiles would have
been to move under the street which would create an exorbitant cost in full depth gravel
which would not be cost-effective.

2. Will proposed change alter size of the project? Yes _____ No X
If yes, explain

3. Affect on operation and maintenance cost of this project:
N/A

Gregory J. Merrill 10-13-81
Project Engineer

Law

CHANGE ORDER

Change Order No. 5
 Project No. C-180599-09
 Name of Project: Country Club - Langford Oaks

Resolution No. 345-80
 Board Order No. 55-80
 Date: 10-13-81

To: RICHARD NESS EXCAVATING, INC.
 (Contractor)

Gentlemen:

You are hereby requested to comply with the following changes from the contract plans and specifications:

Item No.	Quantity	Description of Change	Unit Price	Change in Contract Price	
		Description		Decrease	Increase
21	6± VF	Additional MH Depth	105.26		631.56
24	407± CY	Additional Excavation (13'-16')	9.13		3,715.91
25	3± VF	Additional cleanout depth	16.67		50.01
10	156± LF	Special Backfill	8.00		1,248.00
			Total Decrease		
			Total Increase		5,645.48
Net (Decrease) (Increase)			Contract Price		5,645.48

The sum of \$ 5,645.48 is hereby (added to) ~~(deducted from)~~ the total contract price and the final contract price shall be adjusted as follows:

Original Contract Price \$392,195.30
 Current Contract Price Adjusted by Previous Change Order #4 \$472,007.79
 New Contract Price including this Change Order \$477,007.79

The time provided for completion in the contract for this project is (unchanged) ~~(increased)~~ ~~(decreased)~~ by -0- calendar days due to this Change Order. The date for completion of all work shall be N/A. Furthermore, this document shall become an amendment to the contract and all provisions of the contract shall apply hereto.

Recommended by: William Embury Chief Engineer Date 10/22/81
 Accepted by: Richard Ness, Inc. Contractor Date 10/12/81
 Approved by: Philip R. Puller City Engineer Date Nov. 9, 1981
 Approved by: Robert Anderson Owner Date 11-18-81
Bruce R. Collins
 Attested by: Sandra Kennedy Clerk Date 11-18-81

Change Order No. 3
Resolution No. 345-80
Board Order No. 55-80

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: Upon re-evaluation of laterals No. 12 and No. 14 lateral #12
was not deep enough to service the houses on the east end of South Bend Drive and
due to three houses having basements on Northridge Drive, which is already deep
enough to service these homes on the east side of South Bend by an extension of
Lateral 14 down the rear lots on South Bend to service them. We feel it is better
to deepen the line on Northridge to give a better design and service to both
Northridge and East end of South Bend Drive residences.
- Item #21 - two manholes on the line with 3' additional depth - Item #24 from 10'-13'
to 13'-16' depth - 2' to 4' additional excavation Item #25 - one cleanout with
an additional 3' of depth - Item #10 - additional depth and additional length under
Northridge Drive requiring special backfill.
2. Will proposed change alter size of the project? Yes No X
If yes, explain

3. Affect on operation and maintenance cost of this project:

N/A

Gregory J. Merrill 10-13-81
Project Engineer

5518 TITLE OF ORDINANCE Change Orders 1,2,3,4,5, Country Club-Langford Oaks, C-180599-09,

Resolution 345-80

DEPARTMENT REQUESTING ORDINANCE BOARD OF PUBLIC WORKS 2-81-11-56

SYNOPSIS OF ORDINANCE Change Orders 1,2,3,4,,5, Country Club-Langford Oaks, C-180599-09,

Resolution 345-80. Richard Ness Excavating & Trucking, Inc. - Contractor.

Change Order #1 - In responding to the contractor's request for a dewatering item to be
established for a 1200'+ along Getz Road, it was discovered that the line would need to be
lowered 2' to service those homes on the west side of Getz Road. At this time, a field
change was initiated to lower the line. In evaluating the request by the contractor for
dewatering, it was determined that due to the nature of the soil conditions, which exist,
that dewatering wells would not dry the trench excavating because of the water being isolate
to a 1' seam of a fine gravel just below 10' to 12' of sand and resting on top of a soft
clay. In evaluating this item, we decided to go with base stabilization of approximately
750 cubic yds., and not installing wells. In lowering the above line an additional 2'
(further description of back of page)

EFFECT OF PASSAGE Continuation of Country Club-Langford Oaks, Resolution 345-80

EFFECT OF NON-PASSAGE The above described Change Orders cannot occur

MONEY INVOLVED (DIRECT COSTS, EXPENDITURE, SAVINGS) Change Order #1-\$23,817.21; Change

Order #2-\$39,274.80; Change Order #3-\$7,525.00; Change Order #4-\$23,600.00; Change Order
#5-\$5,645.00: 75% EPA, 15% City Utilities, 10% State.

ASSIGNED TO COMMITTEE

we required an additional excavation of approximately 1275 CY ranging in depth from 19.5 to 21.5' along with increased depth of 3MH's as reflected in item no.21

Change Order #2 - During construction it was discovered that sufficient quantities were not anticipated and these adjustments became necessary. Additional depth was needed to service the last residence. (Item 21 & 23)

Change Order #3 - Upon re-evaluation of including the City tap permits in the contract prices, it has created a logistics problem within the internal interaction of City Departments. In pursuing the handling of these permits, it becomes a cumbersome item. By eliminating the tap permit under the contract and taking care of it at the time of each connection, it will clear up many duplications of departmental requirements and creates a better monitoring process. Thus, insuring a smaller possibility of a tap being connected without an inspection.

Change Order #4 - Items #18-#19 - During construction the contractor came into direct conflict with more existing tiles anticipated. This is due to the neighborhood associations years ago, providing their own "blind ditching" by installing drainage tiles and connecting them to their culverts to eliminate their drainage swales. Since it was not visually possible to see these "blind ditches," it was not noted on plans or shown in quantities. The only alternative to avoid these tiles would have been to move under the street which would create an exorbitant cost in full depth gravel which would not be cost-effective.

Change Order #5 - It became necessary to deepen Lateral No.12 and 14 to service all properties.